

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	10155	250/208.1,234,226,221.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/30 07:48
S2	1547	345/163.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:36
S3	518	701/220.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:35
S4	845	345/166,167.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:36

S5	510	358/509.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:36
S6	13211	S1 OR S2 OR S3 OR S4 OR S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:40
S7	389	S6 AND PHOTOCURRENTS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:38
S8	445	S6 AND OPTICAL DETECTOR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:39
S9	5123	S6 AND SCAN\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:40

S10	146	S6 AND SURFACE (MORPHOLOGY OR SHAPE OR CONTOUR)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:40
S11	282	(OPTICAL NEAR3 MOUSE) WITH SENSOR WITH LIGHT	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:41
S12	122	S6 AND S11	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:41
S13	32	S12 AND (ANGLE\$1 SAME LIGHT SAME SURFACE)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:42
S14	7	S12 AND (ANGLE\$1 SAME LIGHT SAME SURFACE SAME REFLECTS)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:42

S15	27	METHOD AND OPTICAL NAVIGATION AND SOLV?	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:43
S16	81	NAVIGATION AND OPTICAL AND SENS\$3 NEAR CONVERT?	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:43
S17	50	SENSOR NEAR CONVERT? AND PHOTOCURRENTS	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:44
S18	1262	S6 AND OPTICAL SENS\$3	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:44
S19	184	PHOTOCURRENT AND NAVIGATION AND OPTICAL	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:44

S20	2	OPTICAL COMPUTER INPUT DEVICE	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:45
S21	583	BOHN AND DAVID	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:45
S22	73	SURFACE MORPHOLOGY AND NAVIGATION	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:45
S23	2897	SURFACE MORPHOLOGY AND OPTICAL	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:46
S24	332	OPTICAL SCAN?	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:46

S25	8693	OPTICAL SENS?	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:46
S26	126	OPTICAL IMAGE DETECTOR	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:46
S27	18	S12 AND OPTICAL NAVIGATION	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:47
S28	185	OPTICAL COMPUTER MOUSE	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:47
S29	8	("4114034" OR "5589678" OR "6741234"). PN.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:48

S30	4	("6455840" OR "5644139").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:49
S31	7	("5994710" OR "6006172" OR "6618038").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:49
S32	4	("7166830" OR "6281882").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:50
S33	14	("6172354" OR "6303924" OR "6373647" OR "7166830" OR "6281882" OR "2001004055").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:50
S34	2	"4799055".PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:50

S35	2	"4364035".PN.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:51
S36	4	("5845265" OR "6202051" OR "6266651"). PN.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:51
S37	2	"5686720".PN.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:52
S38	2	"20040080495"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/16 15:52
S39	1	JEONG, WAN GYO	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/30 07:48

S40	29548	JEONG	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/30 07:48
S41	24278	JEONG.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/30 07:49
S42	119985	WAN	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/30 07:52
S43	9670	WAN.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/07/30 07:51
S44	22	("5686720" or "6281882" or "6300645" or "6429422" or "6603111" or "6657184" or "6713752" or "7009598").pn. or ("20070150194" or "20030189549")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 08:36

S45	3	"6618038".pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 08:40
S46	10	("6256016" or "5943233" or "6424407").pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 08:53
S47	2	"7129929".pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 08:54
S48	7	"6300940".pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 08:57
S49	2	"6256016".pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 08:58

S50	4061	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:21
S51	3012	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual) and (@ad<="20021023" or @rlad<="20021023")	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:22
S52	890	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual) and (@ad<="20021023" or @rlad<="20021023") and (mouse or input device)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:22
S53	868	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual) and (@ad<="20021023" or @rlad<="20021023") and (mouse or input device) and (movement or direction)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:24
S54	868	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual) and (@ad<="20021023" or @rlad<="20021023") and (mouse or input device) and (movement or direction)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:31

S55	868	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual) and (@ad<="20021023" or @rlad<="20021023") and (mouse or input device) and (movement or direction)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:31
S56	15	(optical near4 mouse) and ((third or three) near4 (angle or plate or deflector or reflector)) and (infrared or visual) and light source and (optical near3 sensor) and (motion or movement or direction)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:33
S57	98	(optical near4 mouse) and ((third or three) near4 (angle or plate or deflector or reflector))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:34
S58	83	S57 not S56	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 09:35
S59	2	"5517211".pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 10:00

S60	10	("5578813" or "5686720" or "6421045" or "6462330" or "6486873").pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 10:01
S61	217	(optical with mouse) and ((third or three with plate)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 10:35
S62	243	(optical with mouse) and ((third or three with (reflector or plate))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 10:35
S63	116	(optical with mouse) and ((third or three with (reflector or plate)) and light source	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/18 10:36
S64	10797	250/208.1,234,226,221.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:18

S65	566	358/509.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:18
S66	2427	345/166,167,163.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:18
S67	564	701/220.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:19
S68	14232	S64 or S65 or S66 or S67	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:19
S69	2	(jeong wan gyo).in.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:19

S70	360	(OPTICAL NEAR3 MOUSE) WITH SENSOR WITH LIGHT	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:21
S71	91	SURFACE MORPHOLOGY AND NAVIGATION	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:21
S72	102	NAVIGATION AND OPTICAL AND SENS\$3 NEAR CONVERT?	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:21
S73	1223	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual) and (mouse or input device) and (movement or direction)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:22
S74	145	OPTICAL IMAGE DETECTOR	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:22

S75	4375	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:22
S76	1223	optical and ((third or three) with (angle or plate or deflector or reflector)) and motion and light source and surface and (infrared or visual) and (mouse or input device) and (movement or direction)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:23
S77	155121	incident lights	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:23
S78	1479	incident lights and surface and image and angle and generator and reflector	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:23
S79	163	S68 and S70	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:23

S80	2	S68 and S71	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:23
S81	6	S68 and S72	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:23
S82	38	S68 and S73	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:24
S83	11	S68 and S74	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:24
S84	99	S68 and S75	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:24

S85	38	S68 and S76	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:24
S86	26	S68 and S78	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/06/30 11:24
S87	21	(US-6713752-\$ or US-6657184-\$ or US-6603111-\$ or US-6429422-\$ or US-6300645-\$ or US-6281882-\$ or US-5686720-\$ or US-6618038-\$ or US-5943233-\$ or US-6424407-\$ or US-6256016-\$ or US-5872627-\$ or US-6111563-\$ or US-5001467-\$ or US-5619231-\$ or US-6631303-\$ or US-6974947-\$ or US-5517211-\$ or US-6246482-\$ or US-6364492-\$ or US-6540356-\$).did.	USPAT	ADJ	ON	2008/12/22 07:37
S88	8	S87 and ((second or two) with incident)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 07:37
S89	8	S87 and ((second or two) with incident)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:18

S90	116	NAVIGATION AND OPTICAL AND SENS\$3 NEAR CONVERT?	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:18
S91	289	(optical with mouse) and ((third or three with (reflector or plate))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:18
S92	4199	mouse and incident light	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:18
S93	11111	250/208.1,234,226,221.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:18
S94	2564	345/166,167,163.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:19

S95	586	358/509.ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:19
S96	14129	S93 or S94 or S95	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:19
S97	181	S96 and S92	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:19
S98	1	S90 and S97	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/22 08:19
S99	4842	(345/163,166,165,207,418 or d14/402,454). ccls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:45

S100	26120291	((@ad<="20021023" or @rlad<="20021023"))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:45
S101	17060	(345/163,166,167,165,207,418 or d14/402,454 or 250/208.1,234,226,221 or 358/509).cls.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:46
S102	9951	S100 and S101	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:46
S103	42581	(mouse or ((optical or navigation or pointing or cursor) near3 (device or detector))) and (led or light emitting diode) and angle and surface	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:48
S104	624	S102 and S103	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:49

S105	931986	((incident near3 (light or led)) or (light with surface))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:50
S106	489	S104 and S105	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:50
S107	4	(JEONG WAN GYO).in.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:51
S108	0	surface morphology	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:53
S109	8541	surface morphology	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:53

S110	1	S107 and S109	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:53
S111	981413	((incident near3 (light or led or ray or beam)) or (light with surface))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:54
S112	493	S104 and S111	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:54
S113	502450	(surface morphology or (image with surface))	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:55
S114	266	S112 and S113	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:56

S115	21	(US-6713752-\$ or US-6657184-\$ or US-6603111-\$ or US-6429422-\$ or US-6300645-\$ or US-6281882-\$ or US-5686720-\$ or US-6618038-\$ or US-5943233-\$ or US-6424407-\$ or US-6256016-\$ or US-5872627-\$ or US-6111563-\$ or US-5001467-\$ or US-5619231-\$ or US-6631303-\$ or US-6974947-\$ or US-5517211-\$ or US-6246482-\$ or US-6364492-\$ or US-6540356-\$) did.	USPAT	ADJ	ON	2009/06/25 10:57
S116	8	S114 and S115	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 10:57
S117	158	S114 and (surface with angle)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:03
S118	19	S114 and (surface with different with angle)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:03
S119	247	S114 not S118	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:13

S120	139	S119 and (surface with angle)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:13
S121	140332	((incident near3 (light or led or ray or beam)) or (light with surface)) with (plurality or plural or multiple or three or third)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:14
S122	65	S120 and S121	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:14
S123	1	S120 and "2624" not S122	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:29
S124	182	S119 not S122	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:29

S125	74	S120 not S122	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:29
S126	6	("4794384" "5686720" "6124587" "6342670" "6462330" "6741234").PN. OR ("7034278").URPN.	US-PGRUB; USPAT; USOCR	ADJ	ON	2009/06/25 11:47
S127	65	S120 not S125	US-PGRUB; USPAT; USOCR	ADJ	ON	2009/06/25 11:50
S128	108	S119 not S120	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:52
S129	30	S128 and S121	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:52
S130	78	S128 not S129	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:58

S131	74	S130 and reflect\$3	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:58
S132	4	S130 not reflect\$3	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:58
S133	25	S131 and mouse	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 11:59
S134	49	S131 not S133	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 12:03
S135	4	S119 and (reflect\$4 with plates!)	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 12:35

S136	28	(US-6657184-\$ or US-6429422-\$ or US-6300645-\$ or US-6281882-\$ or US-5686720-\$ or US-6618038-\$ or US-5943233-\$ or US-6256016-\$ or US-6246482-\$ or US-6540356-\$ or US-6617564-\$ or US-6714323-\$ or US-6741234-\$ or US-6829098-\$ or US-7333083-\$ or US-5552597-\$ or US-6333779-\$ or US-4820050-\$ or US-5585626-\$ or US-6429423-\$ or US-6531692-\$ or US-6664948-\$ or US-7034278-\$ or US-6538243-\$ or US-7227116-\$ or US-6239421-\$).did. or (US-5180910-\$ or US-6064062-\$).did.	USPAT	ADJ	ON	2009/06/25 12:42
S137	4	"20060250605" or "20080231600"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:23
S138	6	"7085023"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:23
S139	0	("2008/0231600").URPN.	USPAT	ADJ	ON	2009/06/25 13:24
S140	0	vertically-folded roof prism and apple	USPAT	ADJ	ON	2009/06/25 13:26
S141	0	vertically\$folded roof prism and apple	USPAT	ADJ	ON	2009/06/25 13:26
S142	0	vertically\$folded roof prism	USPAT	ADJ	ON	2009/06/25 13:26
S143	1	roof prism and apple	USPAT	ADJ	ON	2009/06/25 13:26

S144	1	"20060176581"	USPAT	ADJ	ON	2009/06/25 13:27
S145	3	("20050253058" "6256016" "6967321"). PN. OR ("7142376").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:27
S146	9	apple and mouse and (vertical or horizontal) with illumination	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 13:29
S147	0	vertically-folded roof prism and apple	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:33
S148	2	roof prism and apple	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:33
S149	106	("4553842" or "4751505" or "5463387" or "5578813" or "5644139" or "5703355" or "5994710" or "6111563" or "6218730" or "6294408" or "6429511" or "6433780" or "6476970" or "6501460" or "6613496" or "6717735" or "6784535" or "6849941" or "6860652" or "6867368" or "6900509" or "6905618" or "6919222" or "6932522" or "6936919" or "6947224" or "2996304" or "6998691" or "7042575" or "7050043" or "7066660" or "7091601" or "7116427" or "7126585" or "5786804" or "6281882" or "6442725" or "6934037" or "7131751" or "7161682" or "7184022" or "7166831").pn. or "20030034959" or "20030116825" or "20030197254" or "20030223709" or "20040086011" or "20040084610" or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:38

		"20050231482" or "20030176581"				
S150	26120291	(@ad<="20021023" or @riad<="20021023")	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:38
S151	62	S149 and S150	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:38
S152	2	"6476970".pn.	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:42
S153	2	US "20030072083" A1	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:43
S154	2	"20030072083"	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:43

S155	0	"20030072083" S149 not S151	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:49
S156	44	S149 not S151	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 13:49
S157	34	(US-20060250605-\$ or US-20080231600-\$ or US-20030072083-\$.).did. or (US-6657184- \$ or US-6429422-\$ or US-6300645-\$ or US- 6281882-\$ or US-5686720-\$ or US-6618038- \$ or US-5943233-\$ or US-6256016-\$ or US- 6246482-\$ or US-6540356-\$ or US-6617564- \$ or US-6714323-\$ or US-6741234-\$ or US- 6829098-\$ or US-7333083-\$ or US-5552597- \$ or US-6333779-\$ or US-4820050-\$ or US- 5585626-\$ or US-6429423-\$ or US-6531692- \$ or US-6664948-\$ or US-7034278-\$ or US- 6538243-\$ or US-7227116-\$ or US-6239421- \$).did. or (US-5180910-\$ or US-6064062-\$ or US-7085023-\$ or US-6476970-\$ or US- 6717735-\$.).did.	US-PGRUB; USPAT	ADJ	ON	2009/06/25 14:52
S158	19	S157 and third	US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 14:52
S159	3	("4238148" "6873716").PN. OR ("7227116").URPN.	US-PGRUB; USPAT; USOCR	ADJ	ON	2009/06/25 14:54

S160	25993	(((((incident collimat\$3) near3 (light or led or ray or beam))) or (light with surface)) with (plurality or plural or multiple or three or third) and (((third or c) near3 (face or facet or slit or plate or surface or reflect\$3 or refract\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:12
S161	42581	(mouse or ((optical or navigation or pointing or cursor) near3 (device or detector))) and (led or light emitting diode) and angle and surface	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:12
S162	4842	(345/163,166,165,207,418 or d14/402,454).ccs.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:12
S163	4481	(345/163,166,165,207,418).ccs.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:13
S164	14	S160 and S161 and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:13

S165	20633	apple and mouse	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:15
S166	3	("2007/0008286").URPN.	USPAT	ADJ	ON	2009/06/25 15:17
S167	32	S165 and S161 and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:18
S168	64	("20020080117" "20020080121" "20020175274" "20040001270" "20040061502" "20040113890" "20040227954" "20050024336" "20050057523" "20050073544" "20050111104" "20050156876" "20050231482" "20050264531" "20060091298" "20060187208" "20070008286" "20070090279" "3881879" "4168906" "4294544" "4470696" "4553842" "4664513" "4751380" "4794384" "4857903" "5103106" "5212535" "5229830" "5260761" "5578813" "5587785" "5589858" "5644139" "5654736" "5729009" "5786804" "6069700" "6219143" "6219145" "6220686" "6222174" "6246482" "6256016" "6268599" "6281882" "6373047" "6424407" "6433780" "6442725" "6525306" "6621483" "6642506" "6690474" "6707027" "6741335")	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/25 15:20

		"6747284" "6934037" "7019733" "7116427" "7161682" "7189985").PN. OR ("7321359").URPN.				
S169	11	S168 and S161 and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/25 15:20
S170	2	"6476970".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/06/26 12:17
S171	20	("5194745" "5581348" "6226092").PN. OR ("6476970").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:18
S172	0	S171 and surface morphology	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:18
S173	2	S171 and (ir or infrared)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:18
S174	0	S170 and spectrum	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:19
S175	0	S170 and visible	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:19
S176	0	S170 and surface with image	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:19
S177	1	S170 and surface with image	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:19
S178	0	S170 and open\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:21

S179	0	S170 and slit	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:22
S180	1	S170 and adjacent	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:28
S181	1	S170 and rays	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:35
S182	1	S170 and parallel	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:40
S183	1	S170 and (cross\$3 or overlap\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/06/26 12:41

6/ 26/ 2009 1:58:42 PM

C:\Documents and Settings\JBeckley\My Documents\EAST\Workspaces\DOCKET2-20040080495_A1.wsp